Form PTO-948 (Rev. 06/03)
Application No._____

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date)_____ are:

A. _____ approved by the Draftsperson under 37 CFR 1.84 or 1.152.

B. _____ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected
drawings are required.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable
categories of drawings: Black ink or
Color (3 sets required).
___ Color drawings are not acceptable until petition is
granted. Fig(s)_____
___ Pencil and non black ink not permitted. Fig(s)____

2. PHOTOGRAPHS. 37 CFR 1.84(b)
___ One (1) full-tone set is required. Fig(s)_____
___ Photographs may not be mounted. 37 CFR 1.84(e)
___ Photographs must meet paper size requirements of
37 CFR 1.84(f). Fig(s)_____
___ Poor quality (half-tone). Fig(s)_____

3. TYPE OF PAPER. 37 CFR 1.84(e)
___ Paper not flexible, strong, white, and durable.
Fig(s)_____
___ Erasures, alterations, overwritings. interlineations,
folds, copy machine marks not accepted.
Fig(s)_____

4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable
sizes:
21.0 cm by 29.7 cm (DIN size A4) or
21.6 cm by 27.9 cm (8 1/2x 11 inches)
___ All drawing sheets not the same size.
Sheet(s)_____
___ Drawings sheets not an acceptable size. Fig(s)____

5. MARGINS. 37 CFR 1.84(g): Acceptable margins:
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
___ Margins not acceptable. Fig(s)_____
_____Top (T)   _____Left (L)
_____Right (R)   _____Bottom (B)

6. VIEWS. 37 CFR 1.84(h)
REMINDER: Specification may require revision to
correspond to drawing changes, e.g., if Fig. 1 is
changed to Fig. 1A, Fig 1B and Fig. 1C, etc., the
specification, at the Brief Description of the Drawings,
must likewise be changed.
___ Views not labeled separately or properly.
Fig(s)_____

7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)

___ Sectional designation should be noted with
Arabic or Roman numbers. Fig(s)_____

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
___ Words do not appear on a horizontal, left-to-right
fashion when page is either upright or turned so
that the top becomes the right side, except for
graphs. Fig(s)_____

9. SCALE. 37 CFR 1.84(k)
___ Scale not large enough to show mechanism
without crowding when drawing is reduced in
size to two-thirds in reproduction.
Fig(s)_____

**10. CHARACTER OF LINES, NUMBERS, &
LETTERS.** 37 CFR 1.84(l)
✗ Lines, numbers & letters not uniformly thick and
well defined, clean, durable, and black (poor line
quality). Fig(s)⟩

11. SHADING. 37 CFR 1.84(m)
___ Solid black areas pale. Fig(s)_____
___ Solid black shading not permitted. Fig(s)_____

**12. NUMBERS, LETTERS, & REFERENCE
CHARACTERS.** 37 CFR 1.84(p)
___ Numbers and reference characters not plain and
legible. Fig(s)_____
___ Figure legends are poor. Fig(s)_____
___ Numbers and reference characters not oriented in
the same direction as the view. 37 CFR 1.84(p)(1)
Fig(s)_____
___ English alphabet not used. 37 CFR 1.84(p)(2)
Fig(s)_____
___ Numbers, letters and reference characters must be
at least 32 cm (1/8 inch) in height. 37 CFR
1.84(p)(3). Fig(s)_____

13. LEAD LINES. 37 CFR 1.84(q)
___ Lead lines missing. Fig(s)_____

14. NUMBERING OF SHEETS OF DRAWINGS.
37 CFR 1.84(t)
___ Sheets not numbered consecutively, and in Arabic
numbers beginning with number 1. Sheet(s)_____

15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
___ Views not numbered consecutively, and in Arabic
numerals, beginning with number 1. Fig(s)_____

16. DESIGN DRAWINGS. 37 CFR 1.152
___ Surface shading shown not appropriate.
Fig(s)_____
___ Solid black surface shading is not permitted except
when used to represent the color black as well as
color contrast. Fig(s)_____

COMMENTS:

Reviewer_____

If you have questions, call (703) 305-8404.

Date __10/14/03__

Attachment to Paper No. __12__